

Product datasheet

Anti-NADH2 antibody [9E12-1B3] - N-terminal ab219821

1 Image

Overview

| | |
|----------------------------|---|
| Product name | Anti-NADH2 antibody [9E12-1B3] - N-terminal |
| Description | Mouse monoclonal [9E12-1B3] to NADH2 - N-terminal |
| Host species | Mouse |
| Tested applications | Suitable for: WB |
| Immunogen | Synthetic peptide corresponding to Human NADH2 (N terminal). Database link: P03891 |
| Positive control | WB: Mitochondria from cultured normal control human dermal fibroblasts neonatal (HDFn). |

Properties

| | |
|-----------------------------|---|
| Form | Liquid |
| Storage instructions | Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. |
| Storage buffer | pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 0.36% HEPES, 0.87% Sodium chloride |
| Purification notes | Purified from hybridoma cell culture supernatant by biochemical fractionation from serum-free medium. |
| Clonality | Monoclonal |
| Clone number | 9E12-1B3 |
| Isotype | IgG2a |
| Light chain type | kappa |

Applications

Our [Abpromise guarantee](#) covers the use of **ab219821** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application | Abreviews | Notes |
|-------------|-----------|-------|
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|-------------|-----------|--|
| WB | | Use a concentration of 2 µg/ml. Detects a band of approximately 32 kDa (predicted molecular weight: 39 kDa). Western blot using whole cell extracts is not recommended. |

Target

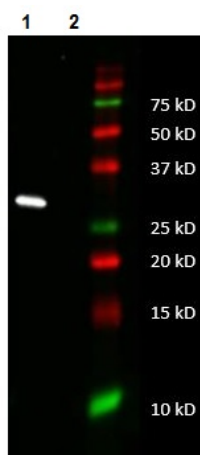
Relevance

NADH2 is a core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone

Cellular localization

Mitochondrion inner membrane; Multi-pass membrane protein.

Images



Western blot - Anti-NADH2 antibody [9E12-1B3] - N-terminal (ab219821)

All lanes : Anti-NADH2 antibody [9E12-1B3] - N-terminal (ab219821) at 2 µg/ml

Lane 1 : Mitochondria from cultured normal control human dermal fibroblasts neonatal (HDFn)

Lane 2 : Mitochondria from HDFn cells depleted of mtDNA by long-term proliferation in the presence of ethidium bromide

Lysates/proteins at 10 µg per lane.

Secondary

All lanes : HRP-labeled Goat-anti-mouse IgG

Developed using the ECL technique.

Predicted band size: 39 kDa

Additional bands at: 32 kDa. We are unsure as to the identity of these extra bands.

Mitochondrial proteins solubilized in 2% SDS were separated by SDS-PAGE and then transferred to PVDF membranes in CAPS buffer.

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